

METHOD AND APPARATUS FOR DETECTING  
RADIATION AT ONE WAVELENGTH USING A  
DETECTOR FOR A DIFFERENT WAVELENGTH

ABSTRACT OF THE DISCLOSURE

An apparatus includes a resonator portion responsive to electromagnetic radiation within a frequency range, a converter portion responsive to radiation received by the resonator portion for emitting electromagnetic radiation within a different frequency range, and a detector portion which detects the radiation emitted by the converter portion. According to one feature, the resonator portion, the converter portion and the detector portion are respective parts of an integrated circuit. According to a different feature, the radiation emitted by the converter portion is infrared energy.